

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



Rec'd PCT/PTO

17 MAY 2005



(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/047854 A2

(51) International Patent Classification⁷: **A61K 38/17**,
A61P 25/28, 25/16

[IL/US]; 236 East Cedar Avenue, Livingston, NJ 07039
(US). **GAITHER, Larry, Alexander** [US/US]; 47 Wain-
wright Avenue, Bradford, MA 01835 (US).

(21) International Application Number:

PCT/EP2003/013115

(74) Agent: **GRUBB, Philip**; Novartis AG, Corporate Intellec-
tual Property, CH-4002 Basel (CH).

(22) International Filing Date:

21 November 2003 (21.11.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY,
TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW.

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/428,623 22 November 2002 (22.11.2002) US
60/471,138 16 May 2003 (16.05.2003) US

(84) Designated States (*regional*): Eurasian patent (AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(71) Applicant (*for all designated States except AT, US*): **NO-
VARTIS AG** [CH/CH]; Lichtstrasse 35, CH-4056 Basel
(CH).

Published:

— *without international search report and to be republished
upon receipt of that report*

(71) Applicant (*for AT only*): **NOVARTIS PHARMA GMBH**
[AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **COHEN, Dalia**

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: METHODS FOR THE TREATMENT OF ALZHEIMERS DISEASE AND COMPOSITIONS THEREFORE

(57) **Abstract:** The invention discloses previously unknown modifiers of A β secretion. These proteins are identified as suitable targets for the development of new therapeutics to treat, prevent or ameliorate pathological conditions associated with A β secretion, including Alzheimer's Disease. The invention also relates to methods to treat, prevent or ameliorate said pathological conditions and pharmaceutical compositions therefor comprising modulators with inhibitory effects on the activity and/or expression of these modifiers.

WO 2004/047854 A2